

Jones, Tim

From: Sukenik, Andy [REDACTED]
Sent: Tuesday, December 03, 2024 2:07 PM
To: Jones, Tim
Cc: McMEnamin, Stuart
Subject: FW: Hyperscale Data Center Annual Load Profiles

EXTERNAL email. STOP and THINK before responding, clicking on links, or opening attachments.

Hi Tim,

Please see additional information from Stuart.

Best,

Andy

Business Use

From: McMEnamin, Stuart [REDACTED]
Sent: Tuesday, December 3, 2024 11:03 AM
To: Sukenik, Andy [REDACTED]; All-Forecasting [REDACTED]
Subject: RE: Hyperscale Data Center Annual Load Profiles

I don't have anything public.
But I have seen hourly data for a couple of data centers.
Monthly load factors 95% to 97%.
No visible difference between weekdays and weekends.
About 7% higher in summer months (probably cooling loads)

Feel free to share this with Tim.

From: Sukenik, Andy [REDACTED]
Sent: Tuesday, December 3, 2024 9:10 AM
To: All-Forecasting [REDACTED]
Subject: FW: Hyperscale Data Center Annual Load Profiles

Does anyone know of a publicly available Data Center load shape?

From: Jones, Tim [REDACTED]
Sent: Tuesday, December 3, 2024 7:40 AM
To: Sukenik, Andy [REDACTED]; Simons, David [REDACTED]
Cc: Judd, Alex [REDACTED]
Subject: [EXTERNAL] Hyperscale Data Center Annual Load Profiles

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Andy and David,

Long time, no talk. Hope all is well with both of you, and I hope I'm able to make it to next year's Itron conference. If I'm not able to, members of my team will certainly be there like a couple were this year (I've included Alex on this email, who was there this year, and he forecasts our largest accounts in Kentucky).

We're in the process of responding to IRP questions, and we're getting data requests regarding our data center load shape assumptions (essentially flat given they've told us 95% load factor; slightly summer peaking because of the cooling nature of data centers; we assumed lower on weekends than weekdays, but wasn't sure if that was accurate). I was wondering if you had an 8760 load shape available for an existing hyperscale data center (thinking maybe Dominion in VA, but wasn't sure if they were an Itron customer). Any information you have available and can provide is much appreciated.

Thank you!
Tim

Tim Jones

Manager | Sales Analysis & Forecasting | LG&E and KU · PPL · RIE
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